

Attachment 6: Budget

Table 3 – the simplified budget is shown immediately below. A detailed itemized budget for the proposed grant project is included below. Labor costs are estimated at \$150/hour for consulting hydrogeologist, \$99/hour for staff hydrologist and \$54/hour for staff water resource technician. Prices per linear feet were used to estimate the increase in cost from installing one well to installing three. Quotes for autonomous pressure transducers are included to back up the costs shown in the budget for this project. Invoices from Monterey Bay Analytical Labs are included to back up laboratory costs. Additional supporting documentation is included in the Appendix.

Budget					
Applicant Name: <u>Pajaro Valley Water Management Agency (PVWMA)</u>					
Project Title: <u>Managed Aquifer Recharge & Recovery Study</u>					
Task	Description	Non-State Share	Requested Grant Funding	Total Costs	Source of Local Funding
1.0	Perform Hydrogeologic Review & New Well Siting	\$3,168	\$4,800	\$7,968	PVWMA
2.0	Design, Permit and Construct Six Monitoring Wells	\$8,316	\$92,150	\$100,466	PVWMA
3.0	Purchase and Deploy Autonomous Pressure Transducers	\$864	\$3,000	\$3,864	PVWMA
4.0	Aquifer Testing	\$13,956	\$9,000	\$22,956	PVWMA
5.0	Final Report Preparation	\$3,960	\$6,000	\$9,960	PVWMA
	Grand Total	\$30,264	\$114,950	\$145,214	
<i>Comments:</i> Please see detailed budget (attached) for more specific information, including itemized costs per sub-task, cost per unit and cost per hour.					

Detailed Budget

	Description	Quantity	Unit	Price	Cost	Agency Cost	Grant	Subtotal
Task 1.0	Hydrogeologic Review & New Well Siting							
1.1	Perform Hydrogeologic Review & New Well Siting							
	Consulting Hydrogeologist	16	Hourly	\$150	\$2,400		\$2,400	\$2,400
	Staff Hydrologist	16	Hourly	\$99	\$1,584	\$1,584		\$1,584
1.2	Prepare MW Basis of Design Technical Memorandum							
	Consulting Hydrogeologist	16	Hourly	\$150	\$2,400		\$2,400	\$2,400
	Staff Hydrologist	16	Hourly	\$99	\$1,584	\$1,584		\$1,584
								\$7,968
Task 2.0	Design, Permit and Construct Six Monitoring Wells							
2.1	Permitting Monitoring Wells - Santa Cruz County	6	Each	\$500	\$3,000		\$3,000	\$3,000
	Staff Hydrologist	4	Hourly	\$99	\$396	\$396		\$396
2.2	Prepare Bid Package							
	Consulting Hydrogeologist	8	Hourly	\$150	\$1,200		\$1,200	\$1,200
	Staff Hydrologist	4	Hourly	\$99	\$396	\$396		\$396
2.3	Construct six monitoring wells							
	Mobilization/Demobilization	1	Each	\$3,500	\$3,500		\$3,500	\$3,500
	Pilot Bore Drilling - 10" Diameter	750	Linear Feet	\$15	\$11,250		\$11,250	\$11,250
	Install 5" SDR 21 PVC Blank Casing	510	Linear Feet	\$25	\$12,750		\$12,750	\$12,750
	Install 5" SDR 21 PVC Screen	240	Linear Feet	\$30	\$7,200		\$7,200	\$7,200
	Install Gravel Pack	300	Linear Feet	\$20	\$6,000		\$6,000	\$6,000
	Install Bentonite Seals	30	Linear Feet	\$25	\$750		\$750	\$750
	Install Cement-Bentonite Grout	300	Linear Feet	\$25	\$7,500		\$7,500	\$7,500
	Test Pump Wells							
	Purchase Test Pump	1	Each	\$3,000	\$3,000		\$3,000	\$3,000
	Pump Deployment (Pump Contractor)	6	Each	\$1,600	\$9,600		\$9,600	\$9,600
	Well Development	48	Hourly	\$200	\$9,600		\$9,600	\$9,600
	Site Cleanup	6	Each	\$1,000	\$6,000		\$6,000	\$6,000
	Submittals	6	Each	\$500	\$3,000		\$3,000	\$3,000
	Consulting Hydrogeologist	40	Hourly	\$150	\$6,000		\$6,000	\$6,000
	Staff Hydrologist	60	Hourly	\$99	\$5,940	\$5,940		\$5,940
2.4	Prepare Well Construction Technical Memorandum							
	Staff Hydrologist	16	Hourly	\$99	\$1,584	\$1,584		\$1,584
	Consulting Hydrogeologist	12	Hourly	\$150	\$1,800		\$1,800	\$1,800
								\$100,466
Task 3.0	Purchase and Deploy Autonomous Pressure Transducers							
	Purchase data loggers	6	Each	\$500	\$3,000		\$3,000	\$3,000
	Program and install data loggers - Water Resources Tech.	16	Hourly	\$54	\$864	\$864		\$864
								\$3,864
Task 4.0	Aquifer Testing							
4.1	Conduct Aquifer Tests							
	Consulting Hydrogeologist	24	Hourly	\$150	\$3,600		\$3,600	\$3,600
	Staff Hydrologist	24	Hourly	\$99	\$2,376	\$2,376		\$2,376
	Staff Water Resource Technician	50	Hourly	\$54	\$2,700	\$2,700		\$2,700
4.2	Collect Monitoring Data							
	Download water level loggers - Water Resources Tech.	24	Hourly	\$54	\$1,296	\$1,296		\$1,296
	Groundwater Sample analysis	30	each	\$120	\$3,600	\$3,600		\$3,600
4.3	Data Analysis							
	Consulting Hydrogeologist	20	Hourly	\$150	\$3,000		\$3,000	\$3,000
	Staff Hydrologist	20	Hourly	\$99	\$2,400	\$2,400		\$2,400
4.4	Prepare Aquifer Test Technical Memorandum							
	Staff Hydrologist	16	Hourly	\$99	\$1,584	\$1,584		\$1,584
	Consulting Hydrogeologist	16	Hourly	\$150	\$2,400		\$2,400	\$2,400
								\$22,956
Task 5.0	Final Report Preparation							
	Consulting Hydrogeologist	40	Hourly	\$150	\$6,000		\$6,000	\$6,000
	Staff Hydrologist	40	Hourly	\$99	\$3,960	\$3,960		\$3,960
								\$9,960
					Cost	Agency Cost	Grant	Subtotal
	Total				\$145,214	\$30,264	\$114,950	\$145,214

APPENDIX

ELECTRONIC DATA SOLUTIONS

P. O. Box 31 Jerome, Idaho 83338 (208) 324-8006
Fax (208) 324-8015 elecdata@elecdata.com

Quotation For:

Pajaro Valley Water Management Agency
Brian Lockwood
36 Brennan Street
Watsonville, CA 95076
USA

Phone (831)722-9292
Fax
Email lockwood@pvwma.dst.ca.us

Special Notes

Thank you for the opportunity to quote.

Quotes are valid for 30-days

Shipping costs are estimated

Shipping, handling and applicable sales tax will be added to invoice. Please see the Returns/Repairs section on the last page.

PRICE QUOTATION

Quote No. JRMQ20629

Date 12/19/11

Quotation By: Shaun Minton

Qty	Part No.	Description	Unit Price	Extended Price
12	0091880	Rugged TROLL 100 0-100 ft (0-30m)	\$420.00	\$5,040.00
			SubTotal	\$5,040.00
			Sales Tax	\$415.80
			Shipping	\$35.00
			Total	\$5,490.80

Qty	Part No.	Description	Unit Price	Extended Price
Terms and Conditions				

Prices are good for 30 days.

Shipping and handling charges are prepaid and added to invoice. Shipment will be made by UPS Ground unless otherwise specified, FOB Shipping Point.

Payment terms are net 30 days upon approved credit. We also accept VISA, MasterCard and American Express.

Returns/Repairs - No returns may be made without first obtaining a Return to Stock Number (RSN). A standard restocking fee of 25% will be charged. To return an item for repair, you must first obtain a Return Materials Authorization Number (RMA).

Please address your purchase order to:

Electronic Data Solutions®

P. O. Box 31

Jerome, Idaho 83338

FAX (208) 324-8015

Federal Tax ID # 82-0425429

DUNS # 36-166-0855



MONTEREY BAY ANALYTICAL SERVICES

PRECISION ACCURACY DEPENDABILITY

4 Justin Court Suite D, Monterey, CA 93940

(831) 375-MBAS (6227)

(831) 641-0734 (Fax)

MontereyBayAnalytical@USA.net

Pajaro Valley Water Mgmt Agency
36 Brennan St.
Watsonville, CA 95076

Invoice Date: 05/30/12



Invoice

Invoice Number: 11942

Your Purchase Order: **CDS**

Samples received on: 05/02/12 & 05/11/12

Our Sample References: AA87364 AA87855 AA87856 AA87857 AA87858 AA87859 AA87860 AA87861
AA87862 AA87863 AA87864 AA87865 AA87866 AA87867

Detailed Invoice Information

Analysis Name	Quantity	Unit Price	Total Price
Irrigation Suitability & Turbidity	14	\$85.00	\$1,190.00
Kjehldahl Nitrogen	14	\$36.00	\$504.00
Invoice Total			\$1,694.00

Our standard credit terms are Net 30 Days. Accounts over 30 days are subject to 1.5% per month interest. Delinquent accounts are liable for legal costs and collection agency fees incurred by Monterey Bay Analytical Services in its efforts to eliminate the overdue balance. We appreciate your business and your continued support. We remain committed to supplying you the highest quality analytical results possible. If you have any questions concerning this invoice, please contact us at (831) 375-6227

We accept VISA and MasterCard

Card Number: _____

Name of Cardholder: _____

Credit Card Billing Address
(if different from address above) _____

Expiration Date (Month/Year) _____ Security Code _____

Corporate Office
595 Airport Blvd.
Watsonville, CA 95076

		Revised Proposal			
Date:	May 8, 2012				
Customer:	Pajaro Valley Water Management Agency				
Customer:	Attn: Brian Lockwood				
Mail address:	36 Brennan Street				
City, ST Zip:	Watsonville, CA 95076				

Site Location:	San Andreas Road, Watsonville		
Description:	Harkins Slough Project 2012 Recovery Wells		

Item/ Date	Description of Bid Item	Bid Qty	Unit of Measure	Unit Price	Bid Qty.	Original Amount	Extra Last Per.	Extra Quantity	Revised Total
1.	Mobilization	1	ls.	\$ 3,000.00	1.00	\$ 3,000.00	0.50	\$ 1,500.00	\$4,500.00
2.	Well Permit	1	ea.	\$ 1,250.00	1.00	\$ 1,250.00	2.00	\$ 2,500.00	\$3,750.00
3a.	Pilot Bore Drilling	320	lf.	\$ 60.00	320.00	\$ 19,200.00	160.00	\$ 9,600.00	\$28,800.00
3b.	Additional Pilot Bore Drilling	0	lf.	\$ 70.00	-	\$ -	-	\$ -	\$0.00
4a.	Geophysical Logging	2	ea.	\$ 1,850.00	2.00	\$ 3,700.00	1.00	\$ 1,850.00	\$5,550.00
4b.	Additional Geophysical Logging	1	ea.	\$ 2,000.00	-	\$ -	-	\$ -	\$0.00
5a.	8-inch Diameter SDR-21 PVC Blank Casing	180	lf.	\$ 26.00	180.00	\$ 4,680.00	80.00	\$ 2,080.00	\$6,760.00
5b.	8-inch Diameter SDR-21 PVC Screen, Inst.	160	lf.	\$ 36.00	160.00	\$ 5,760.00	80.00	\$ 2,880.00	\$8,640.00
6.	Gravel Pack	200	lf.	\$ 20.00	200.00	\$ 4,000.00	110.00	\$ 2,200.00	\$6,200.00
7.	Cement Grout	100	lf.	\$ 25.00	100.00	\$ 2,500.00	50.00	\$ 1,250.00	\$3,750.00
8a.	Well Development, Zone Pumping	24	hrs.	\$ 240.00	24.00	\$ 5,760.00	12.00	\$ 2,880.00	\$8,640.00
8b.	Well Development, Pumping	16	hrs.	\$ 200.00	16.00	\$ 3,200.00	8.00	\$ 1,600.00	\$4,800.00
8c.	Pump Rental for Testing	6	Day	\$ 500.00	6.00	\$ 3,000.00	3.00	\$ 1,500.00	\$4,500.00
9.	Chlorination	2	ea.	\$ 500.00	2.00	\$ 1,000.00	1.00	\$ 500.00	\$1,500.00
10.	Cleanup	1	ls.	\$ 1,000.00	1.00	\$ 1,000.00	0.50	\$ 500.00	\$1,500.00
11.	Standby Time	0	hrs.	\$ -	-	\$ -	-	\$ -	\$0.00
		TOTAL ESTIMATED COST							\$88,890.00